

CLAIMS

What is claimed is:

- 5 ~~1. An implantable device comprising a plurality of detachment junctions, wherein each junction is cleaved by the application of a different wavelength of electro-magnetic radiation.~~
- 10 2. The device of claim 1, wherein the electro-magnetic radiation is light.
3. The device of claim 1, wherein one or more junctions comprise a shape memory polymer.
- 15 4. The device of claim 2, wherein one or more junctions further comprise one or more dyes or pigments.
5. The device of claim 1, wherein the implantable device comprises a vaso-occlusive coil.
- 20 6. The device of claim 1, wherein the implantable device comprises a stent.
7. The device of claim 1, wherein the implantable device comprises a filter.
8. The device of claim 2, wherein the light is visible light.
- 25 9. The device of claim 2, wherein the light is non-visible light.
10. An assembly for use in delivering an implantable device comprising
(a) an implantable device according to claim 1; and

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(b) a deployment mechanism.

11. The assembly of claim 10, wherein the deployment mechanism comprises one or more electro-magnetic radiation transmitting devices.

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12. The assembly of claim 11, wherein the electro-magnetic radiation transmitting device comprises one or more fiber optic cables.

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13. The assembly of claim 11, wherein the electro-magnetic radiation transmitting device comprises one or more light-transmitting fluids.

14. The assembly of claim 11, wherein the electro-magnetic radiation transmitting device comprises one or more light-transmitting wires.

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15. The assembly of claim 11, wherein the implantable device comprises a vaso-occlusive coil.

16. The assembly of claim 11, wherein the implantable device comprises a stent.

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17. The assembly of claim 11, further comprising
(d) a source of electro-magnetic radiation attached to the delivery mechanism.

18. The assembly of claim 17, wherein the electro-magnetic radiation is light.

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19. The assembly of claim 18, wherein the light source comprises a laser.